A major portion of the thesis has been published/is under consideration for publication. These are:

1) Kinetic Alfven waves excited by cometary newborn ions with large perpendicular energies. Plasma Sci. Technol. **13** 135 (2011)
2) Electrostatic ion cyclotron waves in a magnetized, collisional multi-ion plasma. (Revised manuscript submitted)
3) Stability of electron cyclotron waves in the low latitude boundary layer. (Manuscript under review)
4) Stability of magnetosonic waves in an anti-loss cone plasma (Manuscript under review)

Major sections of the thesis have also been presented at the following conferences/symposia:

1) "Kinetic Alfven waves excited by cometary newborn ions with large perpendicular energies", paper presented at the 16th National Space Science Symposium at Saurashtra University, Rajkot, February, 24-27, 2010.
2) "The electron cyclotron instability in a plasma with transverse currents", paper presented at the International Seminar on Space Science and Technology at NSS Hindu College, Changanacherry, October, 12-13, 2010.
3) "Magnetosonic wave instability in an anti-loss cone plasma", paper presented at the 17th National Space Science Symposium, at Sri Venkateswara University, Tirupati, February 14-17, 2012.